Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SCH4U Unit 5 Electrochemistry:**

Lesson 3: Balancing Redox Reactions using the Oxidation Number Method.

Balance the following redox reactions:

1) 2 Na + FeCl2 🡪 2 NaCl + Fe

2) 2 C2H2 + 5 O2 🡪 4 CO2 + 2 H2O

3) 2 PbS + 3 O2 🡪 2 SO2 + 2 PbO

4) 2 H2 + O2 🡪 2 H2O

5) Cu + HNO3 🡪 CuNO3 + H2

6) AgNO3 + Cu 🡪 CuNO3 + Ag